

AMENDMENT TO THE SPECIFICATION

*Please add the following paragraph starting at Page 28, Line 3:*

In a solenoid valve having a moving armature, there are two fundamental types of flux gaps (air gaps). These are conventionally termed working flux gaps and non-working flux gaps (see for example U.S. Patent 4,097,833 to Myers). Non-working flux gaps, as known in the art, are flux gaps in which the flux gaps between pole surfaces on a stator (e.g. pole piece) and pole surface on an armature have a substantially constant reluctance over the range of motion of the armature. Working flux gaps, as are also known in the art, are flux gaps for which substantial change in reluctance over the range of motion of the armature. It will be readily apparent that the flux gaps 530a, 532a, and 530b, and similar gaps discussed above, are working flux gaps.